PATENT HES 2003-IP-011752U1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Jiten Chatterji et al.)
) Art Unit: Unknown
Serial No.:	unknown)
Filed:	concurrently herewith) Examiner: Unknown
	HODS OF FRACTURING A)
	TERRANEAN FORMATION USING)
A PH	DEPENDENT FOAMED)
FRAC	CTURING FLUID)

INFORMATION DISCLOSURE STATEMENT

ASSISTANT COMMISSIONER FOR PATENTS Washington, D.C. 20231

SIR:

The following documents are known to Applicants or Applicants' attorneys and are submitted for the Examiner to consider in the above-captioned application.

U. S. PATENTS

- U.S. Patent No. Re 32,302 issued December 9, 1986 to Stephen W. Almond et al.
- U.S. Patent No. 4,480,696 issued November 6, 1984 to Stephen W. Almond et al.
- U.S. Patent No. 4,627,495 issued December 9, 1986 to Phillip D. Harris et al.
- U.S. Patent No. 4,664,851 issued May 12, 1987 to Eit Drent.
- U.S. Patent No. 4,809,783 issued March 7, 1989 to Keith H. Hollenbeck et al.
- U.S. Patent No. 5,373,901 issued December 20, 1994 to Lewis R. Norman et al.
- U.S. Patent No. 5,604,186 issued February 18, 1997 to Charles V. Hunt et al.
- U.S. Patent No. 5,990,052 issued November 23, 1999 to Phillip C. Harris et al.

U.S. Patent No. 6,357,527 B1 issued March 19, 2002 to Lewis R. Norman et al.

U.S. Patent No. 6,454,008 B1 issued September 24, 2002 to Jiten Chatterji et al.

U.S. Patent No. 6,460,632 B1 issued October 8, 2002 to Jiten Chatterji et al.

OTHER MATERIAL

SPE 73730 entitled "High-pH Clay Instability Rating" by Rick Gdanski dated 2002.

SPE 64983 entitled "Impact of Clay Acidity on the pH of invading Fluids" by Rick Gdanski dated 2001.

U.S. Patent Application Serial No. 10/062,342 entitled "Treatment of a Well with an Encapsulated Liquid and Process for Encapsulating a Liquid," inventors Matthew E. Blauch et al., filed February 1, 2002.

U.S. Patent Application Serial No. 10/396,606 entitled "Recyclable Foamed Fracturing Fluids and Methods of Using the Same," inventors Jiten Chatterji et al., filed March 25, 2003.

Copies of the aforementioned references and Form PTO-1449 are submitted herewith.

Respectfully submitted,

Craig W. Roddy

Registration No. 36,256

Halliburton Energy Services

P. O. Box 1431

Duncan, OK 73536-0440

580-251-3012

FORM PTO-1449 (Modified)			ATTY. DOCKET NO. 2003-IP-011752U1		SERIAL NO. unknown					
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			APPLICANT Jiten Chatterji et al.							
			FILING DATE concurrently herewith		GROUP Unknown					
- "			L	I.S. PATENT DOCUMENTS						
EXAMINER		· • •			Ī		Filing Date if			
INITIAL		Document No.	Date	Name	Class	Subclass	Appropriate			
-	AA	Re. 32,302	12/09/86	Almond et al.	166	308				
	AB	4,480,696	11/06/84	Almond et al.	166	308				
	AC	4,627,495	12/09/86	Harris et al.	166	280				
	AD	4,664,851	05/12/87	Drent	260	410.9 R				
•	ΑE	4,809,783	03/07/89	Hollenbeck et al.	166	307				
	AF	5,373,901	12/20/94	Norman et al.	166	300				
	AG	5,604,186	02/18/97	Hunt et al.	507	204				
	АН	5,990,052 11/23/99		Harris	507	214				
. :	ΑI	6,357,527 B1	03/19/02	Norman et al.	166	300				
,	AJ	6,454,008 B1 09/24/02		Chatterji et al. 1		308				
	AK	6,460,632 B1 10/08/02		Chatterji et al.	175	66				
	Document No. Date			CIGN PATENT DOCUMENTS Country	Class	Subclass	Translation Yes No			
	AL	·	 		 	<u></u>	 			
	AM									
	AN									
	AO					<u>'</u>				
	AP				 					
OTH	ER AR	PT (Including I	uthor Tit	le, Date, Pertinent	Page F	tic)	<u>. </u>			
	AR	SPE 73730 ent	itled "High-pH	Clay Instability Rating" by R	ick Gdanski	dated 2002.				
	AS	SPE 64983 entitled "Impact of Clay Acidity on the pH of invading Fluids" by Rick Gdanski dated 20								
			U.S. Patent Application Serial No. 10/062,342 entitled 'Treatment of a Well with an Encapsulated Liquid							
	AT	_ .	plication Seria	1 No. 10/002,342 endued Tre						
	AT	Liquid	•	g a Liquid," inventors Matthew		et al., filed Febi				
EXA	AT MINE	Liquid and Process for	•	g a Liquid," inventors Matthew		•				

į

FORM PTO-1449 (Modified) LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)			ATTY. DOCKET NO. 2003-IP-011752U1			SERIAL NO. unknown			
			APPLICANT Jiten Chatterji et al.						
			FILING DATE concurrently herewith			GROUP Unknown			
			t	J.S. PATE	NT DOCUMENTS				
						Т		Fi.	ling
EXAMINER						<u> </u>		Dat	e if
INITIAL		Document No.	Date	•	Name	Clas	ss Subclass	Appropriate	
	AA								
	AB								
***	AC								
	AD								
	AE AF								
<u>.</u>									
	AG								·
	AH								
~~	AI		,				<u> </u>	1	
	AJ								
	AK		.*					1	
FOREIGN PATENT DOCUMENTS									
								Trans	lation
	Document No.		Date	Country	Clas	s Subclass	Yes	No	
	AL		· · · · · · · · · · · · · · · · · · ·		~				
	AM								
	AN		v	<u> </u>					,
,	AO	· · · · · · · · · · · · · · · · · ·						<u> </u>	
· .	AP								
						<u> </u>		<u> </u>	•
		RT (Including A						TOL 1.1.	. 1
	AR U.S. Patent Application Serial No. 10/396,606 entitled "Recyclable Foamed Fracturing Fluids and Methods of Using the Same," inventors Jiten Chatterji et al., filed March 25, 2003.								
		Methods of Usir	ng the Same,	' inventors J	iten Chatterji et al	., filed M	arch 25, 2003.		
	AS			• •				•	
				·					_
ł	AT						<u></u>		
						0110====			
EXA	MINE	К			DATE CO	ONSIDER	ŒD		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.